



## Richard Scott

AIA, NCARB, LEED AP

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### EDUCATION

Bachelor of Architecture, Pratt Institute 1975

### PROFESSIONAL REGISTRATIONS

Registered Architect: Florida, Georgia, New Jersey, South Carolina

LEED™ 2.0 Accredited Professional

### DISTINGUISHING QUALIFICATIONS

- More than 35 years experience in the areas of architecture, interior design, and building forensics with a focus on moisture related building problems
- Building envelope forensic investigations, analysis, and repair design services for all building types
- Architectural and interior design project management, programming, design, space planning, construction document preparation, and construction administration experience for a broad range of facilities and owners, including hospitality, government, and major corporations
- Moisture damage assessment and remediation oversight, including development of remediation protocols and specifications for major landmark remediation projects
- Expertise in providing litigation support and jury trial testimony related to moisture intrusion problems
- Experience in providing design phase/construction phase commissioning and LEED™ certification services for various building types, including hospitality and university laboratory/research facilities
- Development and presentation of training courses, including a 16-hour IAQ training course for NASA and an 8-hour water intrusion prevention training course for the Naval Facilities Engineering Command (NAVFAC).
- Founding Partner in the architectural firm Drake+Scott which provided architectural, planning, interior design, and IAQ services for commercial, governmental, and institutional clients, including Chubb & Son Insurance, Stephens Institute of Technology, AT&T, Bell Laboratories, (now Lucent Technologies), Bellcore (now Telcordia), Deloitte, Haskins, and Sells, the United Nations, the City of Summit, NJ, and Purolator.

## RELEVANT EXPERIENCE

Mr. Scott specializes in building envelope problems and their relationship to moisture and related problems and has provided these services for both industrial and commercial clients in more than 200 non-industrial commercial office buildings, government facilities, schools, hotels, and hospitals. Mr. Scott's experience includes extensive participation with projects that involve moisture intrusion, building envelope and HVAC failures, investigation, diagnosis, correction, and remedial construction.

### **Project Manager for a \$10 million renovation to a 160-room timeshare unit complex**

This confidential project involved assessment of water damage to one-year-old timeshare units, development of remediation plans, production of building envelope and HVAC system construction documents, and oversight during re-construction. The timeshare complex was shut down for four months. Mr. Scott managed an onsite team of twelve professionals who provided quality assurance/quality control as well as remediation oversight during this 7-day per week fast track schedule. The timeshare units were completed and opened within the client's tight schedule. Services also included insurance recovery and litigation support.

- Served in technical role on this project as well as project manager.
- Performed initial building envelope water intrusion assessment with some destructive evaluation.
- Led 3-person team that performed follow-up building envelope investigation that included removal of cladding on two stacks of four units (4-story high) to determine water penetration locations and spray testing of sliding glass doors and windows.
- Led team that performed destructive interior investigations and additional exterior destructive evaluations to produce construction documents for repairs/reconstruction.
- Led team of architects during reconstruction that revised and provided new building envelope repair details as hidden defects were discovered during demolition.
- Led onsite team during reconstruction that provided building envelope commissioning services, including construction method observations, technical training, qualitative water spray testing of partially completed envelope, and quantitative water spray testing under pressure of windows and sliding glass doors.
- Provided reports and information in support of insurance claims.
- Attended several insurance negotiation meetings providing oral and visual reports in support of owner's insurance claims. These efforts helped the owner in recovering over 75% of their costs.

**Project Manager for design-phase and construction-phase commissioning services for a 220-villa timeshare unit complex**

This confidential project was the second phase of a 160-villa complex. Because water damage had caused a shutdown and \$10 million renovation to the first phase, the owner requested design phase and construction commissioning services during the second phase for the two major contributors to first phase problems: the building envelope and the HVAC systems. Mr. Scott provided technical expertise as well as managed a multi-disciplinary professional team for this project. Design-phase commissioning services included multiple peer reviews of the building envelope and HVAC systems. Building envelope and HVAC details and designs were reviewed for their potential to cause moisture problems; and such potential problems were documented for discussion and adjudication with the owner's design team. During construction phase checklists were developed for use by the contractor during installation of critical building components. Mr. Scott's team worked with the contractor in developing these checklists and provided construction observation to determine if the checklists were being implemented correctly as well as adjusting the checklists as alternative installation methods were tested and approved. The building envelope team performed qualitative water spray testing of the building envelope and observed water spray testing of sliding glass doors and windows performed by a qualified independent testing agency. The team helped the contractor and owner in determining sources of testing failures and alternative methods of installation to meet the test standards. During the construction phase similar services for HVAC commissioning (checklists, testing, and observing start-up tests) were performed by Mr. Scott's team.

**Task Leader for building envelope studies at the Sam Gibbons Federal Courthouse, Tampa, Florida**

This 17-story courthouse was completed in 1997 and had experienced water leaks through the building wall system since occupancy. Mr. Scott managed a team of professionals that provided forensic investigation services. These services included water spray and destructive testing of various wall system components, including aluminum and glass curtain wall and pre-cast concrete panels.

- Served in technical role on this project as well as project manager.
- Multiple studies/evaluations performed over 2-year period.
- Destructive investigation and water testing of aluminum and glass curtain-wall systems at several locations accessible only by scaffolding and swing stages.
- Destructive investigation and water testing of exhaust air louver systems.
- Water spray testing from swing stages of pre-cast concrete cladding at several locations.
- Flood testing of membrane roofing systems to determine locations of water leaks.
- Review of original construction documents and shop drawings to aid in assessing nature of water intrusion problems and to prepare for potential litigation.

### **Project Manager for water intrusion assessment of a South Florida apartment complex**

This 12-building South Florida apartment complex contained structural and other damage caused by water intrusion. The attorney representing the balcony decking system manufacturer requested an evaluation of the water damage issues pursuant to defense of the manufacturer in scheduled litigation. Mr. Scott reviewed reports by other experts retained by the owner, contractors, and other manufacturers and visited the site to witness destructive investigations by the owner's consultants.

### **Building envelope water intrusion investigation at a North Florida apartment complex**

This 20-building apartment complex had experienced water damage in many of the apartment units. Mr. Scott performed a building water intrusion evaluation for the owner, and determined several entry points for water, including improperly flashed windows, lack of flashing at field mulled double windows, and cracks in stucco finishes.

### **Project Architect for building envelope repair at various hospitality facilities for a large Central Florida resort owner**

Mr. Scott has provided investigation and design services for repair of building envelope construction at various Central Florida resort facilities. Most of the damage to the envelopes was caused by water/moisture infiltration. Mr. Scott's duties included field investigation to determine the extent of damage and generation of construction documents to repair the known damage using the owner's standard materials. In addition, Mr. Scott provided a design-phase construction document review for potential envelope failures for this owner's new resort facilities.

- Surveyed water and envelope damage on cupolas, restaurants, guestroom buildings, and convention center.
- Directed destructive investigation of building envelope components by owner's contractor.
- Generated construction documents for repairs/replacements of building envelope.
- Performed post construction pressurization testing.
- Performed design-phase peer review of building envelope for a new resort hotel—including adjudication meetings.

### **Project Manager for pre-turnover evaluation of a 400-room hotel located on a Mid-Atlantic state US Army base**

This 4-story brick and pre-cast concrete design-build hotel project had experienced construction delays and water intrusion problems. The owner requested a pre-turnover evaluation of the building envelope and HVAC systems with a focus moisture issues. Mr. Scott led a team of architects, structural engineers, and mechanical engineers that performed the evaluation. Mr. Scott also performed building envelope evaluations, including destructive testing. Deficiencies in the building systems were reported in tabular format for inclusion in the owner's punch list report to the design-build contractor. Services included presentations to contractor and evaluations of contractor's solutions to existing problems.

**Project Manager for a design-phase peer review of a new high-rise hotel located in New Orleans**

The Las Vegas based owner of this new 450-room, 27-story hotel was concerned about moisture issues in the hot and humid New Orleans climate. Additionally, the owner was concerned about use of a relatively new type of exterior cladding system. The owner requested a design-phase peer review of building envelope and HVAC systems. Mr. Scott managed a team of architects and mechanical engineers during three design phase peer reviews at the 50%, 75%, and 95% construction document milestones. Mr. Scott also performed peer review of the envelope systems. Services included adjudication meetings with the architect/engineer design team and focused design review meetings with the three building envelope consultants retained for the project.

**Project Manager for moisture investigation and conceptual design services for a central Florida hotel**

This 20-year-old resort property hotel experienced moisture problems from building envelope water leaks through the windows and stucco siding complicated by negative pressurization induced by the HVAC systems. Mr. Scott managed a team of architects and mechanical engineers that investigated the moisture problems, as well as performing the envelope investigation. Based on findings from the investigation, the owner decided to replace/reconstruct the façade and HVAC systems. Mr. Scott managed the design team producing conceptual design that the owner used for detailed cost estimating and will be used for the construction document phase. During conceptual design, Mr. Scott also performed destructive investigation of the building envelope to aid in definition of proposed envelope replacement systems.

**Project Manager of an 800-room resort renovation in Orlando, Florida**

Mr. Scott was project manager of a 25+ member team of architects and engineering consultants providing services for renovation and new construction of an 800-room Orlando area resort and convention center. The team was selected on the basis of its ability to provide engineering corrections for exterior envelope (walls and roof) water infiltration and high relative humidity conditions, which had caused extensive issues throughout the facility. Mr. Scott also led the building envelope forensic investigation effort.

**Leadership in Energy and Environmental Design (LEED™) Certification Project Manager, Atlanta, Georgia area university**

Mr. Scott was part of a project team that provided construction document/construction phase commissioning and services for several Atlanta area university buildings, including a 325,000-square-foot HIV/AIDS research facility, a 136,000-square-foot physics teaching laboratory building, and a 240,000-square-foot cancer treatment and research center.

**Project Manager for a building envelope and HVAC investigation at a South Florida resort and spa**

This 4-year-old, 5-star resort and spa experienced water damage problems from building envelope water leaks and negative pressurization induced by the HVAC systems. The owner's attorney requested building envelope

and HVAC investigation to determine design solutions and to aid in recovery/litigation efforts. Mr. Scott managed the investigation team and performed the building envelope investigation, as well as assisting in the HVAC investigation. The project eventually included deposition by the HVAC system investigator.

**Water damage assessment due to hurricane activity at a Florida panhandle Air Force base**

Performed water damage assessment caused by 2004 hurricane activity at a Florida panhandle Air Force base. Damage was caused by tidal surges/flooding and wind driven rain. Building types investigated included base housing, base dormitories, office structures, industrial buildings, and a fire station. In addition to assessment, assisted in creating remediation protocols and reviewed reconstruction documents.

**Project Manager for wind and water damage assessment of six timeshare unit properties in Southeast US affected by 2004 hurricane activity**

Six timeshare unit properties in the Southeast US owned by one entity suffered wind and water damage due to hurricane activity in 2004. Some of the properties were affected by two hurricanes. Properties ranged in size from 30 to 2,500 units. Mr. Scott managed the project team and performed the building envelope damage assessment. Services included review of insurance adjuster reports, interviews with onsite staff, and field investigations, including infrared camera surveys and destructive investigations. Reports on damage and causes (wind vs. water) were used by the owner to support insurance claims.

**Project Manager and Investigator of water damage caused by the 2004 tsunami at a 5-star resort in the Maldives**

This 5-star island resort in the Maldives suffered water damage due to the December 2004 tsunami. Mr. Scott investigated damage caused by the tsunami, including physical damage to structure and provided a report on repair and remediation methodologies. The investigation included destructive testing and infrared thermography.

**Building envelope assessment at a South Carolina elementary school**

This one-story brick and metal roof school building had a number of water damage issues. The construction manager requested a building envelope and HVAC evaluation to help determine the cause of the water damage. Mr. Scott performed the building envelope investigation, and discovered many building envelope failure problems, including improperly designed and installed flashing at brick to low roof intersections and improper sealing of metal roof ridge caps. Infrared thermography was used to locate failed flashing conditions and water intrusion.

### **Building envelope and plumbing related water damage evaluation at a mid-Atlantic state college dormitory building**

The owner of two 5-story college dormitory buildings totaling 500 beds requested an assessment of causes of water damage pursuant to litigation to recover for damages. Because of water damage problems, the dormitory had been evacuated in 2003, four years after construction. Mr. Scott was part of the team that performed evaluations of the building envelope, bathroom construction, plumbing, and HVAC systems. Problems included incorrectly designed and installed shower pans and walls, incorrectly installed water closets, poor brick mortar joint work, missing weep holes in the brick construction, missing and improper flashing and counter-flashing, and failing sealant joints.

### **Assessment of water damage caused by vandalism in a Central Florida timeshare unit resort**

Vandals had caused water damage in this under-construction timeshare unit building by cutting a fourth-floor water supply pipe in the evening causing overnight flooding of several units from the fourth to first floors. Gypsum board and wood trim had already been installed and painted. The resort owner requested a water damage evaluation to determine the extent of wetted building materials and opinion on repair methods (drying out versus replacement). Mr. Scott was part of the evaluation team that performed infrared thermography and moisture meter assessments and aided in providing replacement protocols.

### **Project Manager and Investigator of water and damage in a Richmond, Virginia hotel**

Mr. Scott performed a water damage assessment in a 12-story Richmond, Virginia hotel. The investigation included destructive investigation to determine the causes of water intrusion on upper floor bay window assemblies.

### **Project Manager and Investigator of water intrusion claims at a Virginia dairy processing plant**

This new dairy plant had reported water damage and related problems. The construction general contractor requested an evaluation to determine the cause of the problems, including an assessment of the design. Mr. Scott was project manager and investigated the membrane roof installation, aiding the general contractor in determining problems caused by sub-contractor installation errors.

### **Water damage investigation and mediation for a South Florida hotel**

Mr. Scott was part of a team that investigated water intrusion and damage problems at a four-story South Florida hotel. Services for the owner's attorney included review of depositions by the design team and general contractor and investigation of the failed building envelope systems, which included aluminum and glass curtain-wall assemblies installed in concrete block construction. Mr. Scott participated in mediation sessions for this project.

### **Managed microbial remediation of two Florida courthouse complexes**

For the 500,000-square-foot Polk County, Florida, complex and the 118,000-square-foot Martin County complex, Mr. Scott's duties included preparation of specifications, bid analysis, coordination with allied consultants, and onsite monitoring of remediation activities, including microbial air sampling, direct microscopy examination of air and bulk samples, and assessment/interpretation of analytical laboratory results. He provided litigation support for both projects and jury trial testimony for one of the projects. In addition to the Polk County and Martin County Courthouse projects, Mr. Scott also developed specifications for the New Museum, New York City, microbial remediation. Many elements from the specifications for these three landmark remediation projects were incorporated into the New York City Department of Health Guidelines on Assessment and Remediation of Fungi in Indoor Environments.

### **Lead Building Envelope Investigator for three Florida apartment complexes**

Performed building envelope investigations for a developer/operator of three Florida apartment complexes located in Orlando and Tampa areas. Services included identifying source of problems, expert opinion reports, litigation support, and damage allocations. All three complexes, which totaled 90 buildings, were "one-coat" stucco on wood framing and sheathing. Issues included water intrusion and water-induced structural damage due to problems with stucco, roof flashing, windows, balcony slabs, railings, and attachments of items such as shutters, downspouts, and electrical equipment. The extent of damages required removal and replacement of all stucco and large sections of wood sheathing and structural framing.

### **Project Manager for water intrusion investigation at two-building condominium complex in coastal Georgia**

Performed building envelope water intrusion investigations for homeowner association of two 3-story condominium buildings located in coastal Georgia. Water intrusion through the building envelope caused rusting of the metal framing and damage to gypsum sheathing and interior drywall. Problems included improper installation of the stucco and EIFS finishes, window leaks, and roof leaks.

### **Project manager for water intrusion investigation of a Daytona Beach, FL hotel**

Performed building envelope (walls and roof) investigations for owner/operator of a 1980's four-story hotel in Daytona Beach, FL. Water intrusion and related problems were primarily caused by improper application of a roof coating system on the existing roof. Problems with the original stucco system also contributed to some water intrusion problems. The original roof and coating were removed and replaced with a new membrane roof.

### **Project manager for water intrusion investigation of a Central Florida condominium complex**

Performed building envelope investigations for homeowner association at a 156 unit townhome condominium complex in Central Florida. The 35 buildings in the complex were constructed with stucco on concrete masonry units (first floor) and on wood framing and sheathing (second floor). Water intrusion problems through the



stucco, windows, roofs, and stone veneer caused damage to the wood structure and interiors. Additionally, the buildings contained latent structural defects. The combination of building envelope and structural defects required removal and replacement of most of the stucco on wood framing. Services included identifying source of problems, expert opinion report, litigation support, and construction-phase consulting.

**Project Manager for water intrusion investigation of a North Central Florida apartment complex**

Performed building envelope investigations for developer/operator of a 224 unit apartment complex in North Central Florida. The complex contains 27 two- and three-story buildings constructed of stucco on wood framing and sheathing. Water intrusion due to problems with building envelope components, including stucco and windows, caused structural damage. The buildings also contained latent structural defects related to the hurricane tie-down system.

**Project Manager for water intrusion and related issue investigation of a South Florida office building**

The client for this project was a bank tenant of a three-story office building. Water intrusion around windows and stucco had caused water damage and related issues to the gypsum sheathing as well as interior finishes.

**Project Manager for water intrusion investigation of a South Florida condominium**

The client for this project was the general contractor who constructed the six-story, stucco on CMU condominium building in South Florida. Services included investigation of claims of water intrusion through the walls and roof deck surfaces, as well as investigation of claims of unbounded stucco and deficient balcony railing anchorage.

**Affiliations**

- American Institute of Architects/AIA Florida
- National Council of Architectural Registration Boards (NCARB)

**Recent Lecture Experience**

- Co-presenter of full day seminar, *Designing and Building to Avoid Mold and Moisture Problems*, Half Moon Education, Inc., Atlanta, GA, August 2016
- Presenter of seminar, *Stucco Myths & Facts*, Butler LLP, June 2015
- Presenter of seminar, *Stucco Myths & Facts*, Kubicki Draper, P.A., April 2015
- Co-presenter of webinar, *Why Some Buildings Are at Increased Risk of Failure from Moisture Problems*, National Society of Professional Engineers, March 2015
- Co-presenter of full day seminar, *Building High Performance Buildings-Not High Risk Buildings, How to Avoid Design and Construction Defects in Today's Project*, Half Moon Education, Inc., Orlando, FL, September 2014

- Co-presenter of *Mold, Moisture, & The Forensic Process, A Quick Guide to Building Conditions That Cause Mold and How to Find & Solve Those Conditions*, presented to EPA Region 4, July 2014
- Presenter of *The Risks of Green Construction: Many Successes-Some Dramatic Failures*, Association of Florida Colleges Facilities Commission, 2013 Spring Conference, April 2013
- Co-presenter of *Air Barriers at Risk: When Codes Collide - High Performance & Innovation*, National Air Barrier Association of America Conference & Trade Show, Orlando, FL March 2014
- Co-presenter of *Codification of Green: Do Buildings Get Better or Do Lawyers Get Richer?*, WPL Publishing Co, Inc. Webinar, October and November 2011
- Presenter of *Stucco: Myths & Facts*, AIA Gainesville, Gainesville Florida, August 2011
- Presenter of *The Hidden Risks of Green Buildings*, ASCE Florida Section-Gainesville Branch, Gainesville, Florida, August 2011
- Presenter of *The Risks of Building Green* at the National League of Cities-RISC Spring Trustees Conference in Little Rock, AR May 2010 and the NLC-RISC Fall Staff Conference in Nashville, TN, October 2010.
- Co-presenter of *The Critical Connection: Building Enclosure and Mechanical System* for the AIA New York City Chapter, New York, NY June 2010
- Co-presenter of 3-hour continuing education seminar: *The Hidden Risks of Green Buildings*. National Council of Architectural Registration Boards (NCARB) Annual Convention. Chicago, IL. June 2009.
- Presenter of *The Unique Challenge of Building Green, Why Moisture and Mold Failures Are Likely & How to Avoid Them*. Florida Green Lodging Conference. Gainesville, FL. November 2008.
- Co-presenter of 6.5-hour seminar: *The Hidden Risks of Green Buildings: Why Building Failures are Likely and How to Avoid Them in Florida*. Lorman Education Services. Tallahassee, FL. November 2008.
- Co-presenter of *Building Failures are Likely and How to Reduce Your Risk in the District of Columbia*. Lorman Education Services. Washington, DC. October, 2008.
- Co-presenter of 6.5-hour seminar: *The Hidden Risks of Green Buildings: Why Building Failures are Likely and How to Reduce Your Risk*. Lorman Education Services. Washington, DC. October 2008.
- Presenter of 1.5-hour continuing education seminar: *The Hidden Risks of Green Buildings: Why Building Failures in the Southeast are Likely & How to Avoid Them*. Architecture. 2008, AIA Georgia Annual Convention. Atlanta, GA. October 2008.
- Co-presenter of *Hidden Risks of Building Green: Why Problems Occur and How to Avoid Them*. Florida Engineering Society and RCCP. Ft. Lauderdale, FL. September, 2008.
- Presenter of 1.5-hour presentation: *The Hidden Risks of Green Buildings: Why Building Failures in the Southeast are Likely & How to Avoid Them*. AIA Florida Annual Convention. Palm Beach, FL, July 2008.
- Co-presenter of 6.5-hour seminar. Lorman Education Services: *The Hidden Risks of Green Buildings: Why Building Failures Are Likely and How to Avoid Them*. Tampa, FL. May 2008.
- Co-presenter of 1.5-hour presentation. *The Hidden Risks of Green Buildings: Are Building Failures and Lawsuits Imminent?* Gulfcoast Green Symposium on Buildings, AIA Houston, Houston, TX, April 2008.

- Co-presenter of 6.5-hour seminar. Lorman Education Services: *The Hidden Risks of Green Buildings: Increasing Your Green Building's Durability, Improving Your Design and Construction Decisions, and Managing Your Firm's Risk*. Atlanta, GA. November 2007.
- Co-presenter of three 4-hour continuing-education seminar. AIA Florida: *Three Cities in Three Days - The High Risk of Green Buildings*. Jacksonville, St. Petersburg, and Miami, FL, November 2007.
- Co-presenter of 4-hour continuing-education seminar. *Mississippi Board of Architecture: When Green Buildings Become High Risk*. Jackson, MS, October 2007.
- Co-presenter of 2-hour presentation: *The High Risk of Green Buildings: Why Moisture & Mold Problems are Likely*. AIA Florida Annual Convention. Orlando, FL, July 2007.
- 3-hour seminar: *Avoiding Moisture Problems in Design and Construction and Investigating Moisture Related Problems-And Getting It Right the First Time*. Lorman Education Services. West Palm Beach, FL, October 2006.
- Co-presenter in five, 8-hour seminars: *The Building Envelope and Moisture Control; HVAC Moisture Control; Commissioning to Avoid Moisture Problems; What Do You Need to Know about Mold?; and The Polk County Courthouse Case Study*. US Naval Facilities Engineering Command (NAVFAC). Naples, Italy; Jacksonville, FL; San Diego, CA; Washington, DC; and Newport News, VA. November and December 2005; January and June 2006.
- Two 90-minute seminars. Lorman Education Services: *You Know the Source of the Mold and Moisture Problems – Now What Do You Do?* Orlando, FL, July and November 2005.
- 90-minute presentation: *Construction Risk Training - Mold and Moisture in Construction*. 2005 Risk Management Conference. University of Texas System. Galveston, TX, October 2005.
- Co-presenter in 6-hour seminar. Lorman Education Services: *Solving Water Intrusion and Mold Problems in Florida*. West Palm Beach, FL, October 2005.
- Co-presenter in 6-hour seminar. Lorman Education Services: *Mold Remediation Standards: Which Ones Matter and Which Ones Don't in Florida*. Miami, FL, May 2005.
- Presentation of technical paper: *Pioneering Building Envelope Commissioning to Prevent Moisture Intrusion*. 2005 Structures Congress & Exposition, American Society of Civil Engineers (ASCE). New York, NY, April 2005.
- Co-presenter of 90-minute seminar. University of Florida Facilities Department: *Five Essential Steps to Avoid Moisture Problems*. Gainesville, FL, November 2004.
- Co-presenter at 6-hour seminar: *Rainwater Intrusion/Building Enclosure Failures; Mold Remediation Protocols; and Sampling and Mold Testing*. Lorman Education Services: *Solving Water Intrusion Problems in Florida*. West Palm Beach, FL, October 2004.
- Co-presenter of four, 4-hour continuing-education seminars. American Institute of Architects (AIA) Florida: *Green Building Series II - Avoiding Moisture and Mold Problems*. St. Petersburg; Orlando; Ft. Lauderdale; and Coral Gables, FL, October 2004.

- 90-minute seminar: *20 Years of Mold Investigation: Insights from an Expert*. Lorman Education Services: Handling Toxic Mold Disputes. Orlando, FL, August 2003.
- One-hour presentation: *Moisture and Mold Problems: A Primer*. National Society of Professional Engineers (NSPE), Annual Convention & Expo. San Antonio, TX, July 2003.
- One-hour presentation: *Moisture & Mold Problems: A Primer for Owners, Designers, & Contractors*. North Central Florida Builders Association. Gainesville, FL, January 2003.
- One hour presentations: *Steps to Take Once a Moisture and Mold Problem Has Occurred: Current Standards of the Industry*. Lorman Education Services. Orlando, FL, December 2002 and December 2001.
- 90-minute presentation: *Steps to Take Once a Moisture/Mold Problem Has Occurred: Current Standards of the Industry*. Association of Energy Engineers: Business Energy Solutions Expo & Conference. Kissimmee, FL, November 2002.
- Co-presenter at 8-hour seminar. Jeld-Wen Windows: *Understanding Moisture and Mold Problems*. Bend, Oregon, August 2002.
- Co-presenter of a 2-day seminar. State of Louisiana Department of Facilities Planning and Control: *Preventing Moisture and Mold Problems in Hot Humid Climates*. Baton Rouge, LA, June 2002.
- Co-presenter of five, 2-day training seminars. National Aeronautics and Space Administration (NASA): *Understanding Indoor Air Quality: It's Not Rocket Science!* Kennedy Space Center, Cape Canaveral, FL; Marshall Space Flight Center, Huntsville, AL; Johnson Space Center, Houston, TX; Langley Research Center, Hampton, VA; and Ames Research Center, Moffett Field, CA, November and December 2001.
- Chair for 2½ hour session: *HVAC System Upgrade for Comfort, IAQ, & Energy Services*. Association of Energy Engineers: Business Energy Solutions Expo. Orlando, FL, November 2001.

## Publications

- With Charles Allen, AIA and Steve Gleason, P.E., *Stucco Myths and Facts*, The Construction Specifier, May 2016
- With David Odom, George DuBose, and Norman Nelson, P.E. *Mold and Moisture Prevention*, NCARB continuing education monograph, electronic version. 2016 (updates to 2005 version).
- *The Realities of Air Barriers*, Building Envelope Magazine, May 2015
- With Donald Snell, *Air Barriers: Expectations vs. Reality, Military housing washes out on new air-barrier standards, Part 3 of 4*, Environmental Design + Construction, October 2014
- With Donald Snell, *Air Barriers: Expectations vs. Reality (Part II)*, Part 2 of 4, Environmental Design + Construction, July 2014
- With Donald Snell, *Air Barriers: Expectations vs. Reality*, Part 1 of 4, Environmental Design + Construction, May 2014
- With David Odom and George H. DuBose, "Hidden Risks of Green Buildings" Owners Perspective. Winter, 2012

- With David Odom and George H. DuBose, "Can Going Green Lead to Hidden Building Risks?" Commercial Construction Renovation. November/December, 2010
- With Norman Nelson and George H. DuBose, "Hidden Risks of Green Buildings: Why Building Problems are likely in Hot, Humid Climates" Green Lodging News. August, 2010
- With David Odom and George H. DuBose, "Hidden Risks of Green Buildings" Construction Specifier. March, 2010
- With David Odom and George H. DuBose, "The Hidden Risks of Green Buildings: why Building Problems are Likely in Hot, Humid Climates" Construction News (Alabama). February/March, 2010
- With David Odom and George H. DuBose, "Hidden Risks of Green Buildings" Claims Magazine. February 2010.
- With David Odom, and George DuBose. "The Hidden Risks of Green Buildings, Why Building Problems are Likely," Construction Advisor Today, October 2009
- With David Odom and George H. DuBose, "Hidden Risks of Green Buildings: Why Building Problems are likely in Hot, Humid Climates" RCI-Interface. August, 2009
- With David Odom and George H. DuBose, "Hidden Risks of Green Buildings: Why Building Problems are likely in Hot, Humid Climates" Environmental Observer. August, 2009
- With David Odom, and George DuBose. "The Hidden Risks of Green Buildings, Why Moisture and Mold Problems are Likely," Florida Engineering Society Journal, October 2008
- With David Odom and George H. DuBose, "Hidden Risks of Green Buildings" HPAC Engineering. October, 2008
- With David Odom and George H. DuBose, "The Hidden Risks of LEED®: Avoiding Moisture and Mold Problems" Texas Architect. September/October, 2008
- With David Odom and George H. DuBose, "Hidden Risks of Green Buildings" Contracting Business Blog. September, 2008
- With David Odom and George H. DuBose, "Hidden Risks of Green Buildings: Why Moisture and Mold Problems are Likely" Design Green Construction July, 2008
- With David Odom and George DuBose. The Hidden Risks of Green Buildings, Why Moisture and Mold Problems are Likely, Florida Engineering Society Journal, October 2008
- With David Odom and George DuBose. The Hidden Risks of LEED, Avoiding Moisture & Mold Problems in Green Buildings, Texas Architect September 2008
- With David Odom and George DuBose. Is Your Green Building the Best it Can Be? AFE Facilities Engineering, January/February 2008
- With David Odom, "The Risks of Building Green in the Southeast." Southeast Construction magazine. February 2008.
- With David Odom and George DuBose. "The Hidden Risks of Green Buildings, Why Moisture and Mold Problems are Likely," Lorman Educational Services. January, 2008

- With David Odom and George DuBose. The Hidden Risks of Green Buildings: Avoiding Moisture & Mold Problems, NCARB continuing education mini-monograph, Direct Connection, 2007.
- With David Odom, George DuBose, and Norman Nelson, P.E. Mold and Moisture Prevention, NCARB continuing education monograph. 2005.
- With David MacPhaul, P.E. Pioneering Building Envelope Commissioning to Prevent Moisture Intrusion. American Society of Civil Engineers Forensic Engineering Symposium, Structural Engineering Institute Structures Congress. New York City, NY 2005.
- With David Odom. "The Escalating Risks from Moisture And Mold Problems." Public Management magazine and Florida Institute of Consulting Engineers newsletter. 2002.
- "Steps To Take Once A Moisture/Mold Problem Has Occurred, Current Standards Of The Industry." Association of Energy Engineers Business Energy Solutions Conference and Expo. Kissimmee, FL. 2002.
- With Mark Hodgson. "Prevalence of Fungi in Carpet Dust Samples." Presented at the Third International Conference on Bioaerosols, Fungi, and Mycotoxins. Saratoga, NY 1998.
- With Chin Yang, Ph.D. "Comparison of Successful and Unsuccessful Stachybotrys chartarum Remediation Projects." Proceedings of the 1997 Conference on Indoor Air Quality (Healthy Buildings). Washington, DC 1997.
- "Today's Strategies for Improving Indoor Air Quality." Presented at the World Energy Engineering Congress/Competitive Power Congress, Association of Energy Engineers. Atlanta, GA 1997.
- "The High Cost of IAQ." Engineered Systems. January 1996.
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- Villa Verde Condominium Association, Inc. vs. Sentinel Capital Cocoa, LLC, et. al--2015 Deposition
- BFS Townhomes, LLC vs. Landcraft Construction Group, Inc., et al. 2015--Continuance of Deposition
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- Adams Street Lofts, LLC, vs. Conn & Associates, et al. 2013--Deposition
- W.G. Yates & Sons Construction Company, et al., vs. Holly Hill I Associates, LTD., et al. 2013--Deposition
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- Park Lane Venture I, LLC vs. Holland & Knight, LLP, et al 2012—Deposition

- Vista Del Mar Condominiums, LLC vs. Dunn Southeast, et al 2012—Deposition and Trial Testimony
- The Raymond F. Kravis Center for the Performing Arts, Inc. vs. Lexington Insurance Company, et al 2012—Deposition
- The Alagon On Bayshore Condominium Association vs. Southeast Communities, LLC, et al 2011 – Deposition
- Bona Vista Seminole Condominium Association, Inc. vs. Patriot Residential Management Services, LLC 2011 --Deposition
- Park Lane Venture I, LLC vs. Summit Contractors, Inc., et al 2011 --Deposition
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- Clermont Diagnostics Imaging Center, Inc vs. Citrus Tower Professional Center, LLC, et al. 2011 – Deposition
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- Keenan Hopkins Schmidt & Stowell Contractors, Inc. vs. Continental Casulty Co. and McDevitt Street Bovis, Inc., 2009 –Deposition (Disney Boardwalk)
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